INDIVIDUAL TRAINING STANDARDS

1. General. This enclosure contains all of the ITSs for this OccFld, grouped by MOS. Each MOS is contained in a separate Appendix to Enclosure (6).

2. Format. For each ITS, the following elements of information are provided:

a. TASK. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for the appropriate MOS are designated as "Core." Those advanced skills that are mission, grade, or billet specific are designated as "Core Plus."

b. CONDITION(S). This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

c. STANDARD(S). This portion of the ITS describes the level of proficiency to which the individual must perform the task.

d. PERFORMANCE STEPS. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

e. INITIAL TRAINING SETTING. All ITSs are assigned an initial training setting that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

f. REFERENCE(S). References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

g. TRAINING MATERIEL (Optional). Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard. Mandatory items are preceded by an asterisk(*).

h. AMMUNITION (Optional). This table, if present, depicts the ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

i. DISTANCE LEARNING PRODUCT(S) (Optional). This section includes a list of any currently available or planned DL products designed to provide training related to this task.

j. PERFORMANCE SUPPORT TOOL(S) (Optional). This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

k. ADMINISTRATIVE INSTRUCTIONS (Optional). Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

MOS 0629, RADIO CHIEF

DUTY AREA 01 - PLANNING

For a complete MOS 0629 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0629.01.01 (CORE) DEVELOP RADIO PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): Per the references.

PERFORMANCE STEPS:

1. Determine radio system requirements.
2. Determine retransmission/repeater requirements.
3. Determine personnel and equipment requirements.
4. Determine radio link reliability using available hardware/software engineering analysis tools.
5. Plan Radio Wire Integration (RWI) operations.
6. Determine battery requirements.
7. Determine the employment/deployment of personnel and equipment.
8. Determine antenna site.
9. Draft the radio guard chart.
10. Determine Network Information Security (INFOSEC) crypto variable relationships.
11. Determine network timing relationships.
12. Complete crew assignment worksheet.
13. Coordinate channelization with wire plan.
14. Submit frequency and request.
15. Draft the plan.
16. Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Revised Battlefield Electronic Communication-Electronics Operating Instruction System

3. System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual

4. FM 24-18, Tactical Single Channel Radio Communications Techniques

5. MCWP 3-1, Ground Combat Operations

6. MCWP 6-22, Communication and Information Systems

7. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

8. TM 09543A-12, AN/MRC-142 Radio Terminal Set

9. TM 09880A-10, AN/PSN-11 (PLGR)

10. TM 11-455, Radio Fundamentals

11. TM 11-5820-890-10-2, SINCGARS ICOM Ground Radio

12. TM 11-5820-890-10-8, SINCGARS

13. TM 11-5895-10/1, Radio Set AN/PSC-3

TASK: 0629.01.02 (CORE) DEVELOP SATELLITE COMMUNICATIONS PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): Per the references.

PERFORMANCE STEPS:

1. Determine the requirements.

2. Determine link responsibilities.

3. Develop engineering criteria utilyzing available engineering analysis software.

4. Draft Gateway Access Request (GAR).

5. Draft Satellite Access Request (SAR).

6. Confirm requirements of GAR/SAR with the Satellite/Gateway Access Authorization (SAA/GAA).

7. Draft the plan.

8. Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. DISANMOC CONNEX Plan

3. System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual

4. DCA CIRC 800-70-1, Operation and Control of the Defense Satellite Communications System

5. FSCS-200-83-1, Navy UHF Satellite Communications System Description

6. NSHFC 301, Navy SHF Satellite Communications System Description

7. TM 08347A/08348A, Ground Mobile Forces Satellite Communications System

8. TM 2000-15/2, Principle Techncial Characteristics of U.S. Marine Corps Communications Electronic Equipment

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TASK: 0629.01.03 (CORE PLUS) PLAN FLEET SATELLITE COMMUNICATIONS (FLTSATCOM) LINK

CONDITION(S): Provided a mission, satellite overlays, frequency plan, Common User Digital Information Exchange System (CUDIXS) support for general message traffic, and references.

STANDARD(S): Per the references.

PERFORMANCE STEPS:

1. Analyze mission.

2. Develop link design plan.

3. Assign personnel.

4. Draft Term Request.

5. Submit the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CJCSM 6231, Joint Tactical Communication Systems Manuals

2. FTP PAC/IO, INST 2000.1C

3. MCRP 6-22_, Radio Operator's Handbook

4. NTP-4, Naval Telecommunications Procedures/Fleet

5. TM 08166A-12, AN/TSC-96

DUTY AREA 02 - OPERATIONS

DUTY AREA 03 - SUPERVISE

TASK: 0629.03.01 (CORE PLUS) SUPERVISE EXECUTION OF RADIO COMMUNICATION PLAN

CONDITION(S): Provided equipment, planning documents, and references.

STANDARD(S): Per the references.

PERFORMANCE STEPS:

1. Supervise the employment/deployment of the radio systems and personnel.

2. Perform supervisory functions of the Data Transfer Device (DTD).

3. Perform supervisory functions for the transfer of partial communications security/frequency hopping (COMSEC/FH) data, Ancillary Device (ANCD) to ANCD.

4. Perform supervisory functions for the transfer of selected Special Operating Instructions (SOI) information, ANCD to ANCD.

5. Perform supervisory functions for a hot and cold start net opening.

6. Perform supervisory functions for Electronic Remote Fill (ERF) updates when directed.

7. Perform supervisory functions for retransmission/repeater operations.

8. Inspect installation procedures and take corrective action as required.

9. Enforce Information Security (INFOSEC) procedures.

10. Assist in the supervisory operations of Systems Control (SYSCON).

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TASK: 0629.03.02 (CORE) INSPECT INSTALLATION OF FIELD EXPEDIENT ANTENNAS

CONDITION(S): Provided link requirements, materials, assigned radio, frequency, tools, and references.

STANDARD(S): Per the references.

PERFORMANCE STEPS:

1. Oversee the correct length of antenna.

2. Oversee required materials to be collected.

3. Supervise the construction of the antenna.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

ADMINISTRATIVE INSTRUCTIONS: This task applies to constructing field expedients for the following antennas.

1. Vertical Whip.
2. Full Wave Dipole.
3. Half Wave Dipole.
4. Quarter Wave Dipole.
5. Inverted Vee
6. Long Wire.
7. Inverted L
8. Sloping Vee
9. Sloping Wire.
10. Vertical Half Rhombic.
11. Yagi.
12. Terminated Sloping Vee.
13. Sloping Long Wire
14. Jumpered Dipole.
15. Multiple Doublet.
16. Crossed Dipole.

DUTY AREA 04 - MAINTENANCE

DUTY AREA 05 - TRAINING